Claims

[c1]   A method and system to securely issue submit and view original electronic transcripts by hosting users, who act in one of the roles of issuers applicants or reviewers for a transcript, on servers called transcript servers that communicate with each other through the transcript network server, where a transcript server can host one or more users, where a issue refers to sending envelope for transcript information, from issuer to applicant and submit refers to sending envelope for transcript information from applicant to reviewer, and view refers to sending the actual transcript from the issuer to applicant or issuer to reviewer.

[c2]   A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where transcript servers store envelope for transcript information that includes the transcript path, by creating the path on the issuer as a link to self where this path on the transcript server contains a file or link to a file on another computer system accessible by the transcript server, by creating the path on the applicant as a link to path on issuer, by creating path on reviewer as a link to

path on applicant.

[c3] A method and system to securely issue submit and view original electronic transcripts where identity information, of users is guaranteed, by the transcript server communicating with the transcript network server during registration of the user and the transcript network server generating an address for each user on the system called the OTS-ID, which is unique in the system and also ties a user to the transcript server and user's registration information which contain one or more unique identifiers for the user, by storing all OTS-IDs present in the system, their respective hosting servers and registration information, on the transcript network server.

[c4] A method and system to securely issue submit and view original electronic transcripts as recited in Claim1 by identifying a user as company or individual and assigning possible roles of issuer, applicant and reviewer on a transcript for a company user, and possible roles of applicant on a transcript for an individual user, where a company is a user who register with company specific information like EIN and an individual is a user who registers with individual specific information like SSN.

[c5] A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where

a company who creates a transcript becomes the issuer for the transcript and can issue it another company or individual which becomes the applicant, where an applicant can receive the issued transcript to it and submit the transcript to a company other than the issuer, and the submitted to company becomes the reviewer.

[c6]   A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 to an applicant by issuer issuing the transcript to a unique ID like SSN, or company web site name, by the issuer's transcript server translating the unique ID to an OTS-ID by communicating with the transcript network server, by the issuer's transcript server sending the envelope for transcript information bound for the OTS-ID to the transcript network server, by the transcript network server finding the hosting transcript server for the OTS-ID and sending the envelope for transcript information to the hosting transcript server.

[c7]   A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 to a reviewer by the applicant submitting the transcript to a unique ID like company web site name, by the applicant's transcript server translating the unique ID to an OTS-ID by communicating with the transcript network server, by the applicant's transcript server sending the envelope for

transcript information bound for the OTS-ID to the transcript network server, by the transcript network server finding the hosting transcript server for the OTS-ID and sending the envelope for transcript information to the hosting transcript server.

[c8] A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where a view request by an applicant, causes the applicant's transcript server to send a view request for local applicant path and remote issuer path to the transcript network server and the transcript network server forwards the request to the transcript server of the issuer. The issuer transcript server sends the transcript from the local issuer path to the transcript network server bound for the local applicant path, and the transcript network server forwards this transcript to the applicant's transcript server which the applicant's transcript server receives and matches it to the local path on the applicant's server.

[c9] A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where a view request by a reviewer, causes the reviewer's transcript server to send a view request for local reviewer path and remote applicant path to the transcript network server and the transcript network

server forwards the request to the transcript server of the applicant. The applicant transcript server receives this request and forwards it to the network server for local reviewer path and remote issuer path and the transcript network server forwards the request to the transcript server of the issuer. The issuer transcript server sends the transcript from the local issuer path to the transcript network server bound for the local reviewer path, and the transcript network server forwards this transcript to the reviewer's transcript server which the reviewer's transcript server receives and matches it to the local path on the reviewer's server.

[c10] A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where transcripts are always associated with a container name called root transcript location (RTL), where RTL at the issuer is a directory location in addition to a name in the database table that contains the transcript as a file or link to a file in another computer system accessible by the hosting transcript server, where issuer can create one or more transcripts under the RTL, and thus make these transcripts related, where a RTL name at the sender is received by the destination as part of the envelope for transcript information, where a RTL is named at

the destination by joining the RTL name at the sender with the symbol '@' and the sender OTS-ID, where local transcript path always contain a container name and file name, where the container name is the RTL name.

[c11] A method and system to securely issue submit and view original electronic transcripts as recited in Claim 1 where notarization of a transcript is performed by a notary agent registered as a company in OTS who issues a transcript to the applicant which is a notarized version of a transcript issued by another company to the applicant, which the applicant had submitted for review to the notary agent company.

[c12] A method to securely issue, submit and view transcripts as recited in Claim 1 where a transcript server is assigned a private key that it uses to encrypt out going messages, where the transcript server knows the public key of the transcript network server that it uses to decrypt incoming messages, where the transcript network server knows the public keys of all transcript servers that communicate to it, where the transcript network server finds the host transcript server address of an incoming message and retrieves the corresponding public key from its table and decrypts the message with that public key, where after successful decryption the transcript network server confirms the sender OTS-ID belongs to tran-

script server which sent the message, where the transcript network server encrypts the message with its private key and sends it to the transcript server hosting the receiving OTS-ID.